

## **LIFE BEYOND EARTH**

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In 1996, American president announced publicly that fossile traces of life from Mars are discovered in meteorite ALH84001 found in Antarctica. This meteorite came to the Eart from Mars. In spite of the fact that dicoverly of life on Mars is not yet satisfactorily confirmed, considerations and old discussions on the possibility that primitive form of life can come from the space were renewed. We will review the development of ideas of panspermia – transmission of life through space to a celestial body, from first ideas of lord Kelvin in 1871 and Svante Arhenius in 1908 to the views of Fred Hoyle and Chandra Wickramassinghe and modern research of survival of primitive forms of life in cosmic conditions.

We will also review the development of conditions in the Universe, and its chemical evolution, leading to the appearance of life, and the origin and beginnings of life on Earth.